

PTO-1449, REPRODUCED O I P E INFORMATION DISCLOSURE CITATION IN AN APPLICATION JUN 04 2001 May 24, 2001 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 0050.1491-005	APPLICATION NO. 09/826,752
		APPLICANT Leonard P. Guarante, et al.	JUN 14 2001
		FILING DATE April 5, 2001	GROUP TECH CENTER 1600/2900

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U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Hirsch, "Accumulation of a Senescence Factor in Yeast Cells", <i>Experimental Gerontology</i> , 28(2):195-204 (1993).
	AS	Jazwinski, et al., "Replication Control and Differential Gene Expression in Aging Yeast," <i>Molecular Biology of Aging</i> , pp. 189-203 (1990).
	AT	Jazwinski, "Aging and senescence of the Budding Yeast <i>Saccharomyces cerevisiae</i> ," <i>Molecular Microbiology</i> , 4(3):337-343 (1990).

EXAMINER 	DATE CONSIDERED 4/10/03
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PTO-1449 REPRODUCED <i>O P E J C INFORMATION DISCLOSURE CITATION IN AN APPLICATION</i> JUN 04 2001 PATENT & TRADEMARK OFFICE			ATTORNEY DOCKET NO. 0050.1491-005	APPLICATION NO. 09/826,752	RECEIVED JUN 14 2001 TECH CENTER 1600/2900		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>JB</i>	AU	Egilmez and Jazwinski, "Evidence for the Involvement of a Cytoplasmic Factor in the Aging of the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Journal of Bacteriology</i> , 171 (1):37-42 (1989).					
<i>JB</i>	AV	Sainsard-Chanet and Begel, "Transformation of Yeast and <i>Podospora</i> : Innocuity of Senescence-Specific DNAs," <i>Mol Gen Genet</i> , 204:443-451 (1986).					
<i>JB</i>	AW	Miura and Sato, "Cellular Senescence in Yeast Caused by Carbon-Source Starvation;" <i>J. Biochem.</i> , 76: 593-601 (1974).					
<i>JB</i>	AX	Miura and Yanagita, "Cellular Senescence in Yeast Caused by Carbon-Source Starvation," <i>J. Biochem.</i> , 72(1): 141-148 (1972).					
<i>JB</i>	AY	Longtine, et al., "Telomere-Mediated Plasmid Segregation in <i>Saccharomyces cerevisiae</i> Involves Gene Products Required for Transcriptional Repression at Silencers and Telomeres," <i>Genetics</i> , 133:171-182 (1993).					
<i>JB</i>	AZ	Lee and Gross, "Conditional Silencing: The HMRE Mating-Type Silencer Exerts a Rapidly Reversible Position Effect on the Yeast HSP82 Heat Shock Gene," <i>Molecular and Cellular Biology</i> , 13(2): 727-738 (1993).					
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<i>JB</i>	AS2	Schnell, et al., "Genetic and Molecular Characterization of Suppressors of SIR4 Mutations in <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> 122:29-46 (May 1989).					
<i>JB</i>	AT2	Marshall, et al., "Functional Domains of SIR4, a Gene Required for Position Effect Regulation in <i>Saccharomyces cerevisiae</i> ," <i>Molecular and Cellular Biology</i> , 7(12): 4441-4452 (1987).					
EXAMINER <i>J.B. Bruner</i>			DATE CONSIDERED <i>4/10/03</i>				

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U.S. PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JB	AU2	Ivy, et al., "Map Positions of Yeast Genes SIR1, SIR3 and SIR4," <i>Genetics III</i> : 735-744 (1985).
JB	AV2	Aparicio, et al., "Modifiers of Position Effect are Shared Between Telomeric and Silent Mating-Type Loci in <i>S. cerevisiae</i> ," <i>Cell</i> , 66:1279-1287 (1991).
JB	AW2	Lundblad and Szostak, "A Mutant with Cell Defect in Telomere Elongation Leads to Senescence in Yeast," 57: 633-643 (1989).
JB	AX2	Jazwinski, "Genes of Youth: Genetics of Aging in Baker's Yeast," <i>ASM News</i> , 59(4): 172-178 (1993).
JB	AY2	D'Mello, et al., "Molecular Analysis of a Young-Specific Gene in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Abstracts of the 92nd General Meeting of the American Society for Microbiology</i> , Abstract H-284, pg. 230 (May 26-30 1992).
JB	AZ2	Egilmez, et al., "Specific Alterations in Transcript Prevalence During the Yeast Life Span," <i>The Journal of Biological Chemistry</i> , 264(24): 14312-14317 (1989).
JB	AR3	Jazwinski, et al., "Replication Control and Differential Gene Expression in Aging Yeast," <i>Molecular Biology of Aging</i> , pp. 189-203 (1989).
JB	AS3	Muller, et al., "Calendar Life Span Versus Budding Life Span of <i>Saccharomyces cerevisiae</i> ," <i>Mechanisms of Ageing and Development</i> , 12(1): 47-52 (1980).
JB	AT3	Urrestarazu and Jauniaux, Protein Sequence Database, Accession Number S38114 (1994).

EXAMINER <i>John Bruce</i>	DATE CONSIDERED 4/11/03
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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 13407-017005	Application No. 09/826,752
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Leonard P. Guarente et al.			
		Filing Date April 5, 2001	Group Art Unit 1631		
(37 CFR §1.98(b))					

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
KB	AA	5,565,323	10/15/96	Parker et al.			
JAN 1 2003	AB	5,705,350	01/06/98	Mudryj et al.			
JB	AC	5,744,300	04/28/98	Linskens et al.			
JB	AD	5,817,782	10/06/98	Jazwinski			
JB	AE	5,840,493	11/24/98	Davis et al.			
JB	AF	5,965,543	10/12/99	Campisi et al.			
JB	AG	6,027,883	02/22/00	Herrnstadt et al.			
JB	AH	6,146,831	11/14/00	Davis et al.			
JB	AI	6,291,172	09/18/01	Davis et al.			

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Foreign Patent Documents or Published Foreign Patent Applications

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							Yes	No
JB	AJ	WO 96/05850	02/29/96	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

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JB	AK	Allsopp et al., "Telomere length predicts replicative capacity of human fibroblasts", <i>Proc. Natl. Acad. Sci. USA</i> 89:10114-10118 (1992)
JB	AL	Angello et al., "Cell Enlargement: One Possible Mechanism Underlying Cellular Senescence", <i>J. Cell. Physiol.</i> 140:288-294 (1989)
JB	AM	Angello et al., "Proliferative Potential of Human Fibroblasts: An Inversive Dependence on Cell Size", <i>J. Cell. Physiol.</i> 132:125-130 (1987)
JB	AN	Bertrand et al., "An Extrachromosomal Plasmid Is the Etiological Precursor of teloDNA Insertion Sequences in the Mitochondrial Chromosome of Senescent Neurospora", <i>Cell</i> 47:829-837 (1986)
JB	AO	Cabib et al., "A Molecular Model for Morphogenesis: The Primary Septum of Yeast", <i>Curr. Top. Cell. Regul.</i> 8:1-32 (1974)
JB	AP	Cristofalo and Kritchevsky, "Cell Size and Nucleic Acid Content in the Diploid Human Cell Line WI-38 During Aging", <i>Med. Exp.</i> 19:313-320 (1969)
JB	AQ	Cristofalo et al., "Growth factors as probes of cell aging", <i>Exp. Gerontol.</i> 24:367-374 (1989)
JB	AR	Cummings et al., "Excision—Amplification of Mitochondrial DNA During Senescence in <i>Podospora anserina</i> ", <i>J. Mol. Biol.</i> 185:659-680 (1985)
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Examiner Signature

JR. Busca

Date Considered

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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Modified)U.S. Department of Commerce
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13407-017005Application No.
09/826,752Information Disclosure Statement
by Applicant
(Use several sheets if necessary)Applicant
Leonard P. Guarente et al.Filing Date
April 5, 2001Group Art Unit
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(37 CFR §1.98(b))

Other Documents (include Author, Title, Date, and Place of Publication)

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JB	AT	Egilmez et al., "Preparation and Partial Characterization of Old Yeast Cells", <i>J. Gerontol. Biol. Sci.</i> 45:B9-17 (1990)
JB	AU	Friedman and Johnson, "A Mutation in the <i>age-1</i> Gene in <i>Caenorhabditis elegans</i> Lengthens Life and Reduces Hermaphrodite Fertility", <i>Genetics</i> 118:75-86 (1988)
JB	AV	Guarente, "UASs and Enhancers: Common Mechanism of Transcriptional Activation in Yeast and Mammals", <i>Cell</i> 52:303-305 (1988)
JB	AW	Guarente and Kenyon, "Genetic pathways that regulate ageing in model organisms", <i>Nature</i> 408:255-262 (2000)
JB	AX	Harley et al., "Telomeres shorten during ageing of human fibroblasts", <i>Nature</i> 345:458-460 (1990)
JB	AY	Hayflick, "The limited <i>in vitro</i> lifetime of human diploid cell strains", <i>Exp. Cell Res.</i> 37:614-636 (1965)
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JB	AAA	Jazwinski, "Longevity, Genes, and Aging", <i>Science</i> 273:54-59 (1996)
JB	ABB	Kenyon et al., "A <i>C. elegans</i> mutant that lives twice as long as wild type", <i>Nature</i> 366:461-464 (1993)
JB	ACC	Koll et al., "A 1100-bp Sequence of Mitochondrial DNA Is Involved in Senescence Process in <i>Podospora</i> : Study of Senescent and Mutant Cultures", <i>Plasmid</i> 14:106-117 (1985)
JB	ADD	Lazarus et al., "Amplification of a Mitochondrial DNA Sequence in the Cytoplasmically Inherited 'Ragged' Mutant of <i>Aspergillus amstelodami</i> ", <i>Eur. J. Biochem</i> 106:663-641 (1980)
JB	AEE	Lumpkin Jr., et al., "Existence of High Abundance Antiproliferative mRNA's in Senescent Human Diploid Fibroblasts", <i>Science</i> 232:393-395 (1986)
JB	AFF	McConnell et al., "Temperate-sensitive Yeast Mutants Defective in Mitochondrial Inheritance", <i>J. Cell Biol.</i> 111:967-976 (1990)
JB	AGG	Mortimer and Johnston, "Life Span of Individual Yeast Cells", <i>Nature</i> 183:1751-1752 (1959)
JB	AHH	Müller, "Experiments on Ageing in Single Cells of <i>Saccharomyces cerevisiae</i> ", <i>Arch. Mikrobiol.</i> 77:20-25 (1971)
JB	AII	Müller, "Parental age and the life-span of zygotes of <i>Saccharomyces cerevisiae</i> ", <i>Antonie van Leeuwenhoek</i> 51:1-10 (1985)
JB	AJJ	Müller and Wolf, "A Correlation Between Shortened Life Span and UV-Sensitivity in Some Strain of <i>Saccharomyces cerevisiae</i> ", <i>Mol. Gen. Genet.</i> 160:231-234 (1978)
JB	AKK	Norwood et al., "Dominance of the Senescent Phenotype in Heterokaryons Between Replicative and Post-Replicative Human Fibroblast-Like Cells", <i>Proc. Natl. Acad. Sci. USA</i> 71:2231-2235 (1974)
JB	ALL	Olovnikov, "A Theory of Marginotomy: The Incomplete Copying of Template Margin in Enzymic Synthesis of Polynucleotides and Biological Significance of the Phenomenon", <i>J. Theor. Biol.</i> 41:181-190 (1973)
JB	AMM	Orgel, "Ageing of Clones of Mammalian Cells", <i>Nature</i> 243:441-445 (1973)
JB	ANN	Palladino et al., "SIR3 and SIR4 Proteins Are Required for the Positioning and Integrity of Yeast Telomeres", <i>Cell</i> 75:543-555 (1993)
JB	AOO	Pélissier et al., "NCA3, a nuclear gene involved in the mitochondrial expression of subunits 6 and 8 of the Fo-F1 ATP synthase of <i>S. cerevisiae</i> ", <i>Curr. Genet.</i> 27:409-416 (1995)

Examiner Signature

JB. Brusa

Date Considered

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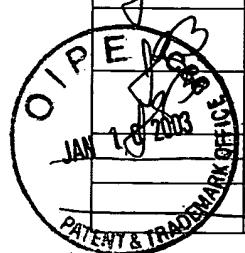
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<i>JEB</i>	APP	Pereira-Smith and Smith, "Genetic analysis of indefinite division in human cells: Identification of four complementation groups", <i>Proc. Natl. Acad. Sci. USA</i> 85:604-60462 (1988)		
	AQQ	Pohley, "A formal mortality analysis for populations of unicellular organisms (<i>saccharomyces cerevisiae</i>)", <i>Mechanisms of Ageing and Development</i> 38:231-243 (1987)		
	ARR	Pringle <i>et al.</i> , "Fluorescence Microscopy Methods for Yeast", <i>Methods in Cell Biology</i> 31:357-435 (1989)		
	ASS	NCBI Accession No. P46955, Submitted AUG-1995		
	ATT	NCBI Accession No. P25339, Submitted MAY-1996		



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